

Dear editor Dr. Goosse,

Thanks again for dealing with and accepting our manuscript for publication.

Here, we provide our responses to the editor's comments. The corrections are included in the updated version of the manuscript.

Our responses are in blue font, and the line numbers are within [the brackets].

1) Line 54. I do not follow the sentence: it is said that the last millennium had forcing conditions similar to the preindustrial era but the last millennium is within the preindustrial era for me. Instead of 'similar', do you mean 'typical' or 'representative of preindustrial conditions' ?

We mean the period with typical preindustrial forcing conditions, with no strong changes in them. We modified the text to:

[51-54] "Among the past periods, the last millennium is particularly interesting as it is a relatively close period to the present day. The period is characterized by typical natural forcing of the pre-industrial conditions, with minimal changes, such as those in orbital parameters."

2) Line 179 'the horizontal resolutions of all data'. It is the data that is interpolated, not the resolution.

We corrected the sentence to:

[170-171] "For this calculation, all data are interpolated to match the resolutions of the coarser climate models, which are bcc-csm1-1 and MIROC-ESM."

Sincerely,

Woon Mi Kim on behalf of all co-authors.